



SECTION A-A

Scale: None

* Measured \perp to ϕ of Bearing.
 ** Measured \perp to ϕ of Bearing at
 Edge of Bearing Stiffener.

| Span = S | Depth of Diaphragm = d | Re-bars "A" | Re-bars "B" | Ties "C" |
|-----------------|------------------------|-------------|-------------|---|
| Up to 8' | 1'-11" | 3-#7's | 3-#7's | #5 @ 9" Maximum Spacing Place \perp to ϕ Bearing |
| over 8' to 11' | 1'-11" | 3-#8's | 3-#8's | |
| over 11' to 14' | 2'-0" | 3-#8's | 3-#8's | |
| over 14' to 16' | 2'-1" | 3-#9's | 3-#9's | |

Note:

1. Studs and anchors for seal retainer angle, not shown.
2. All reinforcing steel sizes and spacings based on ASTM A-615, Grade 60 $f_y = 60$ ksi.
3. For Section B-B, see Standard No. BR-SS(8.12)-85-170.

| APPROVAL | |
|-----------------------|----------|
| <i>L. S. Friedman</i> | DIRECTOR |
| OFFICE OF STRUCTURES | |
| DATE: 10/15/80 | |
| REVISIONS | |
| SHA | FHWA |
| 2-14-00 | . |
| 1-22-01 | . |
| 10-9-07 | . |
| 7-18-94 | . |

FHWA APPROVAL
 DATE: 6-8-90

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF STRUCTURES

CONCRETE DIAPHRAGMS AT PIERS (WITH
 EXPANSION JOINTS) AND AT ALL ABUTMENTS

STANDARD NO. BR-SS(6.22)-80-120

SHEET 2 OF 2